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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	5
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Complete if Known

Application Number	10/770,270
Filing Date	February 2, 2004
First Named Inventor	Steven A. Kunsman
Art Unit	2125
Examiner Name	Paul L. Rodriguez
Attorney Docket Number	E20000120

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner
Signature

Date _____

Considered

1/5/06

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Sheet	2	of	5	Attorney Docket Number	E20000120

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PKL		BUCHHOLZ et al; High Impedance Fault Detection Device Tester; Journal IEEE Transactions on Power Delivery, Vol. 11, No. 1, January 1996, Powertech Labs Inc., Surrey, B.C. Canada V3W 7R7	
PKL		RUSSELL et al; Arcing Fault Detection for Distribution Feeders: Security..., Journal IEEE Transactions on Power Delivery, Vol. 10, No. 2, April 1995; Power System Automation Lab, Texas	
PKL		EBRON et al; A Neural Network Approach To The Detection of Incipient Faults on Power Distribution Feeders; IEEE Transactions on Power Delivery, Vol. 5, No. 2, April 1990; Electric Power Research Center, Raleigh, NC	
PKL		RUSSELL et al; An Arcing Fault Detection Technique Using Low Frequency Current Components - Performance Evaluation Using Recorded Field Data; Journal IEEE Transactions on Power Delivery Vol. 3, No. 4, October 1988; Texas A&M University, College Station, Texas	
PKL		BENNER et al; Practical High Impedance Fault Detection for Distribution Feeders; IEEE Transactions on Power Delivery, Vol. 33, No. 3, pp.635-640, May/June 1997; Power System Automation Laboratory, College Station, Texas	
PKL		LAZKANO et al; A New Approach To High Impedance Fault Detection Using Wavelet Packet Analysis; Proceedings of Ninth International Conference on Harmonics & Quality of Power, Vol. 3, pp. 1005-1010, 2000.	

Examiner Signature		Date Considered	1/6/05
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		Examiner Name	Paul L. Rodriguez		
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ML		RUSSELL et al; Performance of high-impedance fault detection algorithms in long-term field trials; Elsevier Science S.A. Power System Automation Laboratory, College Station, TX 77843	
ML		C.J. KIM et al; Classification of Faults and Switching Events by Inductive Reasoning and Expert System Methodology; Journal IEEE Transactions on Power Delivery, Vol. 4, No. 3, July 1989; Texas A&M University; College Station, Texas 77843	
ML		A.M. SHARAF et al; A Third Harmonic Sequence Ann Based Detection Scheme For High Impedance Faults; Canadian Conference on Electrical and Computer Engineering; University of New Brunswick, Canada	
ML		J.T. Tengdin et al; Application of High Impedance Fault Detectors; A Summary of the Panel Session Held at the 1995 IEEE PES Summer Meeting	
ML		M. AL-DABBAGH et al; Neural Networks Based Algorithm For Detecting High Impedance Faults on Power Distribution Lines; 1999 IEEE; Department of Electrical and Communication Engineering; Papua, New Guinea	
ML		L.A. SNIDER et al; The Artificial Neural Networks Based Relay Algorithm For Distribution System High Impedance Fault Detection; Journal from Proceedings of the 4th International Conference on Advances in Power System Control, Operation and Management, APSCOM-97, Hong Kong, November 1997.	

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PMR		R. PATTERSON et al; A Microprocessor-based Digital Feeder Monitor with High-Impedance Fault Detection; Forty-Seventh Annual Conference for Protective Relay Engineers; GE Protection and Control, Malvern, PA; Dept. of Electrical Engineering Texas A&M University, College Station, Texas	
PMR		C.J. KIM et al; A Parameter-Based Process For Selecting High Impedance Fault Detection Techniques Using Decision Making Under Incomplete Knowledge; Journal IEEE Transaction on Power Delivery, Vol. 5, No. 3, July 1990; Texas A&M University, College Station, Texas 77843	
PMR		C.J. KIM et al; A Learning Method For Use In Intelligent Computer Relays For High Impedance Faults; Journal IEEE Transactions on Power Delivery, Vol. 6, No. 1, January 1991; Texas A&M University, College Station, Texas 77843	
PMR		C.J. KIM et al; High-impedance fault detection system using an adaptive element model; Journal IEEE Proceedings-C, Vol. 140, No. 2, March 1993; Department of Electrical Engineering, Texas A&M University, College Station, Texas 77843	
PMR		RON PATTERSON; Signatures and Software Find High-Impedance Faults; IEEE Computer Applications in Power, July 1995	
PMR		CARL L. BENNER et al; Practical High-Impedance Fault Detection on Distribution Feeders; IEEE Transactions on Industry Applications, Vol. 33, No. 3, May/June 1997	

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PM		DAVID C. YU et al; An Adaptive High and Low Impedance Fault Detection Method; Journal IEEE Transactions on Power Delivery, Vol. 9, No. 4, October 1994; University of Wisconsin-Milwaukee	
		Milwaukee, WI 53201; Puget Sound Power & Light Company, Bellevue, WA 98004	
PM		B. MICHAEL AUCOIN et al; High Impedance Fault Detection Implementation Issues; Journal IEEE Transactions on Power Delivery, Vol. 11, No. 1, January 1996; Texas A&M University,	
		College Station, TX 77843; Rochester Gas and Electric, Rochester, NY 14649	

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